

INDEX

- ORIGINALNI ZNANSTVENI RADOVI (OP) — ORIGINAL SCIENTIFIC PAPERS (OP)
 BILJEŠKE (N) — NOTES (N)
 PRETHODNA SAOPĆENJA (PC) — PRELIMINARY COMMUNICATIONS (PC)
 PREDAVANJA (P) — CONFERENCE PAPERS (P)
 POSTERI — CONFERENCE NOTES (CN)
 AUTORSKI PREGLED (AR) — AUTHORS REVIEW (AR)
 PISMA (L) — LETTERS (L)
 POHRANJENI RUKOPISI (DD) — DEPOSITED DOCUMENTS (DD)

- Alajbeg, A.: Thermal Decomposition of Tetrabromoethylcyclohexane (OP) . . . 41
- Aly, A. A. M., Kamal, M. M., El-Meligy, M. S. and El-Said, A. I.: New Mixed Ligand Complexes of Ditertiary Phosphanes with Ni(II) Alkylxanthates (N) . . . 155
- Aly, A. A. M.: vidi El-Roudi, A. M.
- Angeloni, L.: vidi Righini, R.
- Baluk, P.: vidi Janić, I.
- Baumann, F.: vidi Schneider, S.
- Bedrica, A., Biruš M., Kujundžić, N. and Pribanić, M.: Iron(III) Complexation by Hydroxyurea in Acidic Aqueous Perchlorate Solution (OP) . . . 21
- Berger, H.: vidi Schrötter, H. W.
- Bertie, J. E., Harke, H., Khalique, A. M. and Eysel, H. H.: Infrared Intensities of Liquids IV: Recent Measurements of Infrared Optical Constants and Absolute Infrared Absorption Intensities of Liquids by Multiple Attenuated Total Reflectance (OP) . . . 391
- Bertoluzza, A., Fagnano, C., Fini, G. and Morelli, M. A.: Molecular Interactions and Properties of Biologically Active Compounds: Infrared and Raman Spectroscopic Studies (AR) . . . 413
- Bezdzicka, P.: vidi Huong, Ph. V.
- Bialopiotrowicz, T.: vidi Jańczuk, B.
- Biczó, G.: Matrix Defectivity and Strange Electronic States of Polymers (OP) 103
- Biruš, M., Krznarić, G., Kujundžić, N. and Pribanić, M.: Kinetic and Equilibrium Thermodynamic Description of the Interaction of Desferrioxamine B and Acetohydroxamic Acid with Iron(III) in Acid Aqueous Perchlorate (OP) . . . 33
- Biruš, M.: vidi Bedrica, A.
- Boquillon, J. P.: vidi Schrötter, H. W.
- Bougeard, D.: Lattice Dynamics and Intermolecular Forces in Organic Molecular Crystals (AR) . . . 243
- Brandmüller, J. and Claus, R.: Irreducible Tensors of the Point Groups with Fivefold Rotational Axes (OP) . . . 267

- Califano, S.: vidi Righini, R.
- Castellucci, E.: vidi Righini, R.
- Cioslowski, J.: vidi Graovac, A.
- Clark, R. J. H. and Hempleman, A. J.: Infrared and Raman Spectroscopy Investigations of the Dirhodium Tetraacetate Complexes $\text{Rh}_2(\text{O}_2\text{CCH}_3)_4$, $\text{Rh}_2(^{18}\text{O}_2\text{CCH}_3)_4$, $\text{Rh}_2(\text{O}_2\text{CCD}_3)_4$, and $\text{Rh}_2(\text{O}_2\text{CCH}_3)_4(\text{H}_2\text{O})_2$ (OP) 313
- Claus, R.: vidi Brandmüller, J.
- Colombo, L., Kirin, D., Furić, K., Sullivan, J. F. and Durig, J. R.: Far Infrared and Raman Spectroscopic Investigations of the Lattice Modes of Crystalline Thiophene (OP) 301
- Couzi, M., Negrier, Ph., Poulet, H. and Pick, R. M.: The Multidimensional Pseudo Spin Model and its Application to Phase Transitions in Layered Perovskites (OP) 649
- Cuniberti, C.: vidi Dellepiane, G.
- Dellepiane, G., Tubino, R. and Cuniberti, C.: On the Electron Phonon Interaction in *trans* Polyacetylene (OP) 347
- Dows, D. A.: vidi Righini, R.
- Dudev, T.: vidi Galabov, B.
- Duncan, J. L.: The Use of Centrifugal Distortion Constants in Force Constant Calculations (OP) 463
- Durig, J. R. and Little, T. S.: Vibrational and Conformational Studies of Cyclopropane-carboxaldehyde (OP) 529
- Durig, J. R.: vidi Colombo, L.; Galabov, B.
- Dinović, K., Golić, L., Hadži, D. and Orel, B.: Intramolecular Hydrogen Bonding in Guanidinium and Potassium Hydrogen Malonates — an Infrared and X-Ray Diffraction Study (OP) 405
- Edwards, H. G. M., Long, D. A. and Thomsen, M. A.: The Determination of Temperature in Methane-Air, Propane-Air and Butane-Air Flames Using the Raman Q-Branch Spectra of Nitrogen (OP) 189
- El-Gaber, A. A. A.: vidi El-Roudi, M. M.
- El-Meligy, M. M.: vidi Aly, A. A. M.
- El-Roudi, A. M., Aly, A. A. M., El-Gaber Abd, A. A., and El-Shabasy, M.: Reactivity of Some Transition Metal Complexes of Anthranilic Acid with Leucine and Monochloroacetic Acid (OP) 775
- El-Said, A. I.: vidi Aly, A. A. M.
- El-Shabasy, M.: vidi El-Roudi, A. M.
- Eysel, H. H.: vidi Bertie, J. E.
- Fagnano, C.: vidi Bertoluzza, A.
- Filipek, S., Wagner, E. and Kalinowski, M. K.: Electroreduction of Benzalacetone in *N,N*-dimethylformamide (OP) 843
- Fini, G.: vidi Bertoluzza, A.
- Foggi, P.: vidi Righini, R.
- Fujiwara, M., Hayashi, H. and Tasumi, M.: Low-Frequency Vibrational Spectra of Chlorophylls *a* and *b* in Solution: Effects of Axial Coordination (OP) 435
- Furić, K.: vidi Colombo, L.
- Galabov, B., Dudev, T. and Durig, J. R.: Bond Properties and Molecular Conformation from Vibrational Intensity Analysis (AR) 569

Gatjal, A., Klacboe, P., Nielsen, C. J. and Powell, D. L.: The Conformations and Vibrational Spectra Including Matrix Isolation of 1,3-Dibromo-2,2-dimethylpropane (OP)	375
Gege, P.: vidi Schneider, S.	
Gerbaux, X.: vidi Hadni, A.	
Glunčić, B.: vidi Kujundžić, N.	
Golič, L.: vidi Dinović, K.	
Grabowski, S. J.: The Hydrogen Bonding in Solids. Part I. The Hydrogen Bonding Model for the O—H...O Systems in Crystals of Carboxylic Acids (OP)	805
Grabowski, S. J.: The Bond Number Relationship for the O—H...O Systems (OP)	815
Graovac, A. and Cioslowski, J.: An Approximate Spectral Density of the Estimation of some Topological Indices of Alternant Systems (OP)	797
Graselli, J. G.: A New Era for Applications of Vibrational Spectroscopy in Industry (OP)	745
Grenier, J. C.: vidi Huang, Ph. V.	
Habuš, I., Raza, Z. and Šunjić, V.: Preparation of Chiral Diphenylphosphines from D-Glucose and Enantioselective Hydrogenation with Their Rh(I) Complexes (OP)	857
Hadni, A. and Gerbaux, X.: Far Infrared Spectra, Phase Transitions, and Surface Layers (OP)	671
Hadži, D.: vidi Dinović, K.	
Hamilton, K.: vidi Steele, D.	
Hangyo, M.: vidi Nakashima, S.	
Harke, H.: vidi Bertie, J. E.	
Hayashi, H.: vidi Fujiwara, M.	
Hempleman, A. J.: vidi Clark, R. J. H.	
Hester, R. E.: vidi Virdee, H. R.	
Huang, Ph. V., Grenier, J. C. and Bezdzicka, P.: Micro-Raman Spectra of YBaCuO Superconductors (OP)	201
Jakovina, M.: vidi Kujundžić, N.	
Jańczuk, B., Wójcik, W. and Białopiotrowicz, T.: Wettability of Coal Surface and its Surface Free Energy Components (OP)	51
Janeković, A., Popović, S., Partch, R., and Matijević, E.: Structure, Chemical Properties and Thermal Decomposition of Cadmium Methoxide and Cadmium Ethoxide (OP)	1
Janić, I., Kakaš, M., Baluk, P., Kubicki, A., and Kawski, A.: Electronic Spectra of Cyano-5-phenyltetrazoles (OP)	783
Kakaš, M.: vidi Janić, I.	
Kalinowski, M. K.: vidi Filipek, S.	
Kamal, M. M.: vidi Aly, A. A. M.	
Kawski, A.: vidi Janić, I.	
Keresztury, G.: vidi Mink, J.	
Khalique, M. A.: vidi Bertie, J. E.	
Kiefer, W.: Micro-Raman Spectroscopy of Particles in the Mie-size Range: A Short Review (AR)	473

Kirin, D.: vidi Colombo, L.	
Klaeboe, P.: vidi Gatial, A.	
Klasinc, L.: vidi Srzić, D.	
Klisarova, Lj. and Lazarević, M.: Synthesis and Properties of Coordination Compounds of Co(II) and Ni(II) with Some Hydrazone Derivatives (OP)	137
Klisarova, Lj. and Lazarević, M.: Synthesis and Properties of Coordination Compounds of Co(II) and Ni(II) with 3,4,5-Trimethoxybenzoylhydrazine (N)	147
Klüter, M.: vidi Schneider, S.	
Kovačević, K.: vidi Kujundžić, N.	
Krasjukov, Yu. N.: vidi Zhizhin, G. N.	
Krznarić, G.: vidi Biruš, M.	
Kubicki, A.: vidi Janić, I.	
Kujundžić, N., Kovačević, K., Jakovina, M., and Glunčić, B.: Synthesis and Antibacterial Effect of Derivatives of 5-(3,4,5-Trimethoxybenzyl)-pyrimidine, -Tetrahydroxypyrimidine, -Hexahydropyrimidine and -Hydantoin (OP)	121
Kujundžić, N.: vidi Bedrica, A.; Biruš, M.	
Lavorel, B.: vidi Schrötter, H. W.	
Lazarević, M.: vidi Klisarova, Lj.	
Little, T. S.: vidi Durig, J. R.	
Long, D. A.: vidi Edwards, H. G. M.	
Maksić, Z. B., Primorac, M., and Supek, S.: Semiempirical vs Ab Initio Calculations of Molecular Properties. Part 3. Electric Field Gradients at ¹⁴ N Nuclei in some Small Molecules (OP)	65
Mannfors, B.: vidi Palmö, K.	
Matijević, E.: vidi Janeković, A.	
McKean, D. C.: Interpreting the CH Stretching Region, Through Infrared Partial Deuteration Studies (AR)	447
Millot, G.: vidi Schrötter, H. W.	
Mink, J. and Szilagyi, T.: FT-IR Spectroscopic Studies of Catalysts (OP)	719
Mink, J. and Keresztury, G.: FT-IR Emission Spectra of Chemisorbed Species with Application to Species Adsorbed on Alumina (OP)	731
Mirnik, M.: Interpretation of Coagulation Kinetics Observed by Light Scattering (OP)	81
Morelli, M. A.: vidi Bertoluzza, A.	
Mukhtarov, E. I.: vidi Zhizhin, G. N.	
Nagar, R.: vidi Sharma, R. C.	
Nakashima, S. and Hangyo, M.: Characterization of Low Dimensional Materials by Raman Spectroscopy (AR)	331
Negrier, Ph.: vidi Couzi, M.	
Nielsen, C. J.: vidi Gatial, A.	
Nikolić, S.: vidi Randić, M.	
Novak, A.: Vibrational Spectroscopy and Structural Phase Transitions in Molecular Crystals (AR)	213
Orel, B.: vidi Dinović, K.	

- Palmö, K., Pietilä, L. O., and Mannfors, B.:** Valence Force Fields as a Tool in Vibrational Spectroscopy and Molecular Mechanics (AR) 605
- Partch, R.:** vidi Janeković, A.
- Pick, R. M.:** vidi Couzi, M.
- Pietilä, L. O.:** vidi Palmö, K.
- Popović, S.:** vidi Janeković, A.
- Poulet, H.:** vidi Couzi, M.
- Powell, D. L.:** vidi Gatial, A.
- Pribanić, M.:** vidi Bedrica, A.; Biruš, M.
- Primorac, M.:** vidi Maksić, Z. B.
- Randić, M., Nikolić, S., and Trinajstić, N.:** Enumeration of Kekulé Structures for Helicenic Systems (OP) 821
- Raza, Z.:** vidi Habuš, I.
- Righini, R., Angeloni, L., Castellucci, E., Foggi, P., Califano, S., and Dows, D. A.:** Relaxation of Vibrational Excitons in Molecular-Ionic Crystals Measured by Picosecond Time-Resolved CARS (OP) 621
- Rogovoi, V. N.:** vidi Zhizhin, G. N.
- Rudenko, A. P.:** vidi Shevchenko, S. M.
- Schneider, S., Baumann, F., Klüter, U., and Gege, P.:** Resonance-Enhanced CARS Spectroscopy of Biliproteins (OP) 505
- Schrader, B.:** Coupled Calculations Vibrational Frequencies and Intensities. X. Calculation of Frequencies and Infrared and Raman Activities of Large Molecules (AR) 589
- Schrötter, H. W., Berger, H., Boquillon, J. P., Lavorel, B., and Millot, G.:** High-Resolution Nonlinear Raman Spectroscopy in Gases (AR) 487
- Semenov, S. G., Sigolaev, Y. F., and Shevchenko, S. M.:** Electron Transfer in Pre-reaction *p*-Quinonemethide-9,10-Dihydroxyanthracene Dianion System (OP) 73
- Semenov, S. G. and Shevchenko, S. M.:** A CNDO/S3 Study of the *p*-Quinonemethide-Phenol Interaction (N) 113
- Sharma, R. C. and Nagar, R.:** Synthetic and Antifungal Studies of Some Transition Metal Complexes Involving Potentially Active Heterocyclic Ligands (OP) 849
- Shevchenko, S. M., Zubarev, V. E. and Rudenko, A. P.:** On Formation of Anthrasemiquinone in the Conditions of Wood Alkaline Pulping (OP) 763
- Shevchenko, S. H.:** vidi Semenov, S. G.; Srzić, D.
- Sidorov, N. V.:** vidi Zhizhin, G. N.
- Sigolaev, Y. F.:** vidi Semenov, S. G.
- Srzić, D., Shevchenko, M. and Klasinc, L.:** Mass Spectral Study of Anthrone (OP) 791
- Steele, D., Hamilton, K. and Stevens, J.:** The Use of Absolute Vibrational Band Intensities in Structural Analysis. I. *n*-Alkanes and Derived Ketones (OP) 551
- Stevens, J.:** vidi Steele, D.
- Sullivan, J. F.:** vidi Colombo, L.
- Supek, S.:** vidi Maksić, Z. B.
- Szilagyi, T.:** vidi Mink, J.

Szostak, M. M.: Vibronic Couplings in Vibrational Spectra of Crystalline p-Chloroaniline (OP)	633
Sunjić, V.: vidi Habuš, I.	
Tasumi, M.: vidi Fujiwara, M.	
Thomsen, M. A.: vidi Edwards, H. G. M.	
Trinajstić, N.: vidi Randić, M.	
Tubino, R.: vidi Dellepiane, G.	
Virdee, H. R. and Hester, R. E.: <i>In Situ</i> Resonance Raman Spectroscopic Investigation of a Polypyrrole Modified Gold Electrode (OP)	357
Wagner, E.: vidi Filipek, S.	
Wai-Kee Li: Structures and Stabilities of $C_3H_3^-$ Anions: an <i>ab initio</i> Molecular Orbital Study (OP)	833
Wójcik, W.: vidi Jańczuk, B.	
Zhizhin, G. N., Krasjukov, Yu. N., Mukhtarov, E. I., Rogovoi, V. N. and Sidorov, N. V.: Orientational Order-Disorder Effects in Molecular Crystals as Evidenced by Low-Frequency Raman Spectra (AR)	685
Zubarev, V. E.: vidi Shevchenko, S. M.	
Žemva, B.: Binary Fluorides of Noble-Gases in Their Compounds (AR) . . .	163

